<u>In The Claims:</u>

1. (Currently Amended)   A diagnostic system for a data acquisition system

comprising:

a computer controller coupled to the data acquisition system; and

a display device coupled to the computer controller;

said controller receiving data from said data acquisition system, diagnosing a problem in response to said data, said controller generating a first screen display corresponding to a schematic representation of the data acquisition system, said controller generating a screen indicia on said display device corresponding to a location of a problem on the schematic representation of the data acquisition system, said controller generating a second screen display comprising a boxplot illustrating normalized raw data <u>corresponding to the schematic representation</u>.

2. (Previously Presented)   A diagnostic system as recited in claim 1 wherein said data is stored in a memory.

3. (Original)   A diagnostic system as recited in claim 1 further comprising a network coupling said computer controller and said data acquisition system.

4. (Previously Presented)   A diagnostic system as recited in claim 3 wherein said network comprises a public service telephone network.

5. (Previously Presented)   A diagnostic system as recited in claim 3 wherein said network comprises the Internet.

6. (Original)   A diagnostic system as recited in claim 1 wherein said controller has a web browser, said controller generating the screen indicia through said web browser.

7. (Currently Amended)   A system comprising:

a diagnostic system;

a data acquisition system coupled to the diagnostic system;

a computer controller coupled to the data acquisition system;

a display device coupled to the computer controller;

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said controller receiving data from said data acquisition system, diagnosing a problem in response to said data, said controller generating a first screen display corresponding to a schematic representation of the data acquisition system, said controller generating a screen indicia on said display device corresponding to a location of a problem on the schematic representation of the data acquisition system, said controller generating a second screen display comprising a boxplot illustrating normalized raw data corresponding to the schematic representation.

8. (Previously Presented)   A computed tomography system comprising a system as recited in claim 7.

9. (Previously Presented)   A system as recited in claim 7 further comprising a computed tomography system, the data acquisition system is disposed with the computed tomography system.

10. (Previously Presented)   A system as recited in claim 9 wherein the computed tomography system comprises a detector assembly, said data acquisition system disposed within said detector assembly.

11. (Previously Presented)   A system as recited in claim 7 wherein said data is stored in a memory.

12. (Previously Presented)   A system as recited in claim 7 wherein said data is communicated from said data acquisition system.

13. (Previously Presented)   A system as recited in claim 7 wherein said data acquisition system is located remotely from said diagnostic system.

14. (Previously Presented)   A system as recited in claim 7 further comprising a network coupling said computer controller and said data acquisition system.

15. (Previously Presented)   A system as recited in claim 7 wherein said controller has a web browser, said controller generating the screen indicia through said web browser.

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16. (Currently Amended)   A method for operating a diagnostic system comprising:

receiving data from a data acquisition system;

diagnosing a problem in response to said data;

generating a first screen display corresponding to a schematic representation of the data acquisition system;

generating a screen indicator on said display device corresponding to a location of a problem on the schematic representation of the data acquisition system; and

generating a second screen display comprising a boxplot illustrating normalized raw data corresponding to the schematic representation.

17. (Previously Presented)   A method as recited in claim 16 wherein receiving data comprises receiving data through an interface.

18. (Previously Presented)   A method as recited in claim 16 wherein receiving data comprises remotely receiving data.

19. (Previously Presented)   A diagnostic system as recited in claim 1 wherein said data is communicated from said data acquisition system.

20. (Previously Presented)   A method as recited in claim 16 wherein said data acquisition system is disposed within a CT system.

21. (Previously Presented)   A diagnostic system as recited in claim 1 wherein the boxplot is colored to indicate passed or failed data.

22. (Previously Presented)   A system as recited in claim 7 wherein the boxplot is colored to indicate passed or failed data.

23. (Previously Presented)   A method as recited in claim 16 further comprising coloring the boxplot is colored to indicate passed or failed data.

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